

**PLEASE AMEND THE CLAIMS AS FOLLOWS:**

1. (Currently Amended) Apparatus for transmission coordination,  
comprising:

A a first radio transceiver operating in accordance with a first communication protocol and using a frequency band;

a base station operating in accordance with the first communication protocol;

a second radio transceiver operating in accordance with a second communication protocol and using the frequency band; **and**

a coordinator associated with the base station for **operating the base station to transmit command signals**, in turn, activating the first radio transceiver, deactivating the first radio transceiver, activating the second radio transceiver, and deactivating the second radio transceiver.

2. (Original) The apparatus of claim 1, wherein the frequency band is about 2.4 GHz.

3. (Original) The apparatus of claim 2, wherein the first communication protocol is the IEEE 802.11 protocol.

4. (Original) The apparatus of claim 3, wherein the second communication protocol is the Bluetooth protocol.

A 5. (Original) The apparatus of claim 4, wherein the first radio transceiver and the second radio transceiver are mounted together in a housing.

6. (Original) The apparatus of claim 5, wherein the housing is suitable for wearing on a belt.

7. (Original) The apparatus of claim 5, further comprising one or more slave devices associated with the second transceiver and operating in accordance with the second communication protocol.

8. (Original) The apparatus of claim 7, wherein at least one of the one or more slave devices is a scanner capable of being worn on a user's finger.

9. (Original) The apparatus of claim 8, wherein the scanner is capable of transmitting bar code information to the second transceiver.

10. (Original) The apparatus of claim 7, wherein at least one of the one or more slave devices is a printer.

A 11. (Original) The apparatus of claim 7, wherein at least one of the one or more slave devices is a personal data managing device.

12. (Original) The apparatus of claim 5, wherein the period between activating the first radio transceiver and deactivating the first radio transceiver comprises a first time period and wherein the period between activating the second radio transceiver and deactivating the second radio transceiver comprises a second time period, and wherein the first time period and second time period are at fixed, predetermined intervals.

13. (Original) The apparatus of claim 12, wherein the first time period and the second time period are of equal intervals.

14. (Currently Amended) Apparatus for transmission coordination, comprising:

a first radio transceiver operating in accordance with a first communication protocol **having a power save operating mode** and using a frequency band,

a base station operating in accordance with the first communication protocol;

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a second radio transceiver operating in accordance with a second communication protocol and using the frequency band, wherein the first radio transceiver and the second radio transceiver are mounted together in a housing;

A a coordinator associated with the housing, for [, in turn, activating the first radio transceiver,] deactivating the first radio transceiver[,] **and** activating the second radio transceiver[, and deactivating the second radio transceiver] **when said first radio transceiver is in said power save mode.**

15. (Original) The apparatus of claim 14, wherein the frequency band is about 2.4 GHz.

16. (Original) The apparatus of claim 15, wherein the first communication protocol is the IEEE 802.11 protocol.

17. (Original) The apparatus of claim 16, wherein the second communication protocol is the Bluetooth protocol.

18. (Currently Amended) **Apparatus for transmission coordination,**  
**comprising:**

**a first radio transceiver operating in accordance with a first communication protocol and using a frequency band,**

a base station operating in accordance with the first communication protocol;

A a second radio transceiver operating in accordance with a second communication protocol and using the frequency band, wherein the first radio transceiver and the second radio transceiver are mounted together in a housing;

a coordinator associated with the housing, for, in turn, activating the first radio transceiver, deactivating the first radio transceiver, activating the second radio transceiver, and deactivating the second radio transceiver [The apparatus of claim 14,]

wherein the period between activating the first radio transceiver and deactivating the first radio transceiver comprises a first time period and wherein the period between activating the second radio transceiver and deactivating the second radio transceiver comprises a second time period, and wherein the first time period and second time period are at fixed, predetermined intervals.

19. (Original) The apparatus of claim 18, wherein the first time period and the second time period are of equal intervals.

20. (Original) Apparatus for transmission coordination, comprising:

a first radio transceiver operating in accordance with an IEEE 802.11 protocol and using a frequency band of about 2.4 GHz and having a first antenna system;

a base station operating in accordance with the IEEE 802.11 protocol;

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A a second radio transceiver operating in accordance with a Bluetooth protocol and using the frequency band of about 2.4 GHz and having a second antenna system;

wherein the first antenna system and the second antenna system are of orthogonal polarization.

21. (Cancelled)

22. (Cancelled)

23. (Currently Amended) Apparatus for transmission coordination, comprising:

a first radio transceiver operating in accordance with an IEEE 802.11 protocol and using a frequency band of about 2.4 GHz, the frequency band of about 2.4 GHz having two or more sub-bands;

a base station operating in accordance with the IEEE 802.11 protocol;

a second radio transceiver operating as a master in accordance with a Bluetooth protocol wherein a first sub band is used by a Bluetooth master and a second sub band is used by a Bluetooth slave and using the frequency band of about 2.4 GHz;

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wherein the second radio transceiver is equipped with a look-ahead function for determining whether signals are present on the first and second sub-bands [are being used by the first radio transceiver that will also be used by the second transceiver].

24. (Cancelled)

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25. (Original) A method for operating a portable data communications device using first and second wireless data communications protocol comprising:

operating said data communications device in a power saving mode of said first communication protocol, whereby said device has active time periods for transmitting and receiving data communications signals using said first communications protocol and dormant time periods during which said device neither transmits nor receives data communications signals using said first protocol;

operating said data communications device as a master device according to said second communications protocol whereby said data communication device controls operation of slave devices communicating therewith; and

controlling said operation according to said second data communications protocol to operate only during said dormant time periods.

26. (Currently Amended) [A method as specified in claim 25] A

method for operating a portable data communications device using first and second

wireless data communications protocol comprising:

operating said data communications device in a power saving mode of  
said first communication protocol, whereby said device has active time periods for  
transmitting and receiving data communications signals using said first communications  
protocol and dormant time periods during which said device neither transmits nor receives  
data communications signals using said first protocol;

operating said data communications device as a master device  
according to said second communications protocol whereby said data communication  
device controls operation of slave devices communicating therewith; and

controlling said operation according to said second data  
communications protocol to operate only during said dormant time periods wherein said  
controlling comprises providing a signal indicating that said active time period will commence  
following a predetermined time interval and terminating operation according to said second data  
communication protocol during said predetermined time interval.

27. (Original) A method as specified in claim 25 wherein said first  
wireless data communications protocol is the IEEE 802.11 protocol.

28. (Original) A method as specified in claim 27 wherein said second  
wireless communication protocol is Bluetooth.



29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Cancelled)

38. (Cancelled)

39. (Original) A method for providing voice communications in a wireless data communications system having a mobile unit arranged to communicate with an access point using a first data communications protocol and arranged to communicate with other devices using a second data communications protocol, comprising:

communicating data corresponding to said voice communication between said access point and said mobile unit using said first data communications protocol;

A communicating said data corresponding to said voice communications between said mobile unit and a portable device using said second data communication protocol, said communication being arranged at time intervals which avoid interference with said communicating using said first data communications protocol; and

converting voice signals to data corresponding to said voice signals and converting data signals corresponding to voice signal into voice signals in said portable device.

40. (Original) A method as specified in claim 39 wherein said data corresponding to voice signals comprises compressed voice signal data.

41. (Original) A method as specified in the claim 39 wherein said first communications protocol is the IEEE 802.11 protocol.

42. (Original) A method according to claim 41 wherein said second communication protocol is Bluetooth.

A 43. (Original) A method according to claim 42 wherein said communication between said mobile unit and said portable device uses a Bluetooth ACL link.

44. (Original) A method as specified in claim 43 wherein said data corresponding to voice signals comprises compressed voice signal data.

45. (Cancelled)

46. (Cancelled)

47. (Cancelled)

48. (Cancelled)

49. (Cancelled)

50. (Cancelled)

51. (Cancelled)

52. (Cancelled)

53. (Cancelled)

54. (Cancelled)

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55. (New) The apparatus of claim 5 wherein said command signals are global clear to send (CTS) signals.

56. (New) The apparatus of claim 20 wherein said second radio transceiver is arranged to transmit at a power level of about 0 dBm.

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